

PR - JP19960238359 19960820
OPD - 1996-08-20
TI - DISTANCE-MEASURING SENSOR, DISTANCE-MEASURING UNIT,
PAPER-SHEETS CONVEYANCE DEVICE, AUTOMATIC
INSPECTION DEVICE AND PRINTING APPARATUS
IN - KITAGAWA YUKINORI; TAKEMURA KENJI
PA - OMRON TATEISI ELECTRONICS CO
IC - G01C3/06 ; G01B11/00 ; G01S7/48 ; G01S17/08

© WPI / DERWENT

I - Optical range sensor for paper conveyor, printer, automatic tester -
has position sensor provided in light receiver, which has shading
areas on its light receiving surface with optical spot moving
corresponding to object distance

PR - JP19960238359 19960820
PN - JP10062161 A 19980306 DW199820 G01C3/06 015pp
PA - (OMRO) OMRON KK
IC - G01B11/00 ; G01C3/06 ; G01S7/48 ; G01S17/08

AB - J10062161 The sensor (12) includes a light transmitter (14) from
which the light beam is illuminated on a measurement object (24).
The light beam reflected from the object, is received by a light
receiver (15). The light receiver comprises a position sensor (18)
which generates an electrical signal corresponding to the reflected
light.
- A pair of shading area (20,20b) is formed at both the end surfaces
of position sensor. Based on the distance variation of the object,
the optical spot is moved between the shading areas with respect to
the optical centre surface. Based on the optical spot movement, the
object distance (L) is calculated.
- ADVANTAGE - Improves object distance measurement precision.
- (Dwg.2/30)

OPD - 1996-08-20
AN - 1998-220603 [20]

© PAJ / JPO

PN - JP10062161 A 19980306
PD - 1998-03-06
AP - JP19960238359 19960820

none

none

none